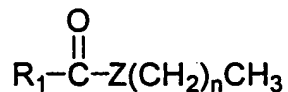


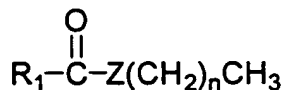
Phase Change Ink Formulations, Colorant Formulations, And Methods Of
Forming Colorants

ABSTRACT

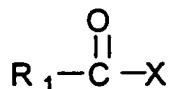
5 The invention encompasses a compound having the formula:



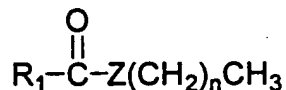
wherein R_1 , Z and the carbonyl can be comprised by a common ring, wherein R_1 comprises a chromophore that absorbs light from the visible wavelength range, and wherein n is an integer that is at least 12. The invention also
10 encompasses a solid phase change ink composition. Such composition includes a phase change ink carrier and a colorant. The colorant comprises a chromophore that absorbs light from the visible wavelength range, and has the formula:



15 wherein R_1 , Z and the carbonyl can be comprised by a common ring, wherein n is an integer that is at least 12. Additionally, the invention encompasses a method of forming a colorant. A first compound having the formula,



is reacted with a second compound having the formula $\text{Z}(\text{CH}_2)_n\text{CH}_3$, wherein n
20 is an integer that is at least 12, to form a third compound having the formula,



wherein the third compound comprises a chromophore that absorbs light from the visible wavelength range.